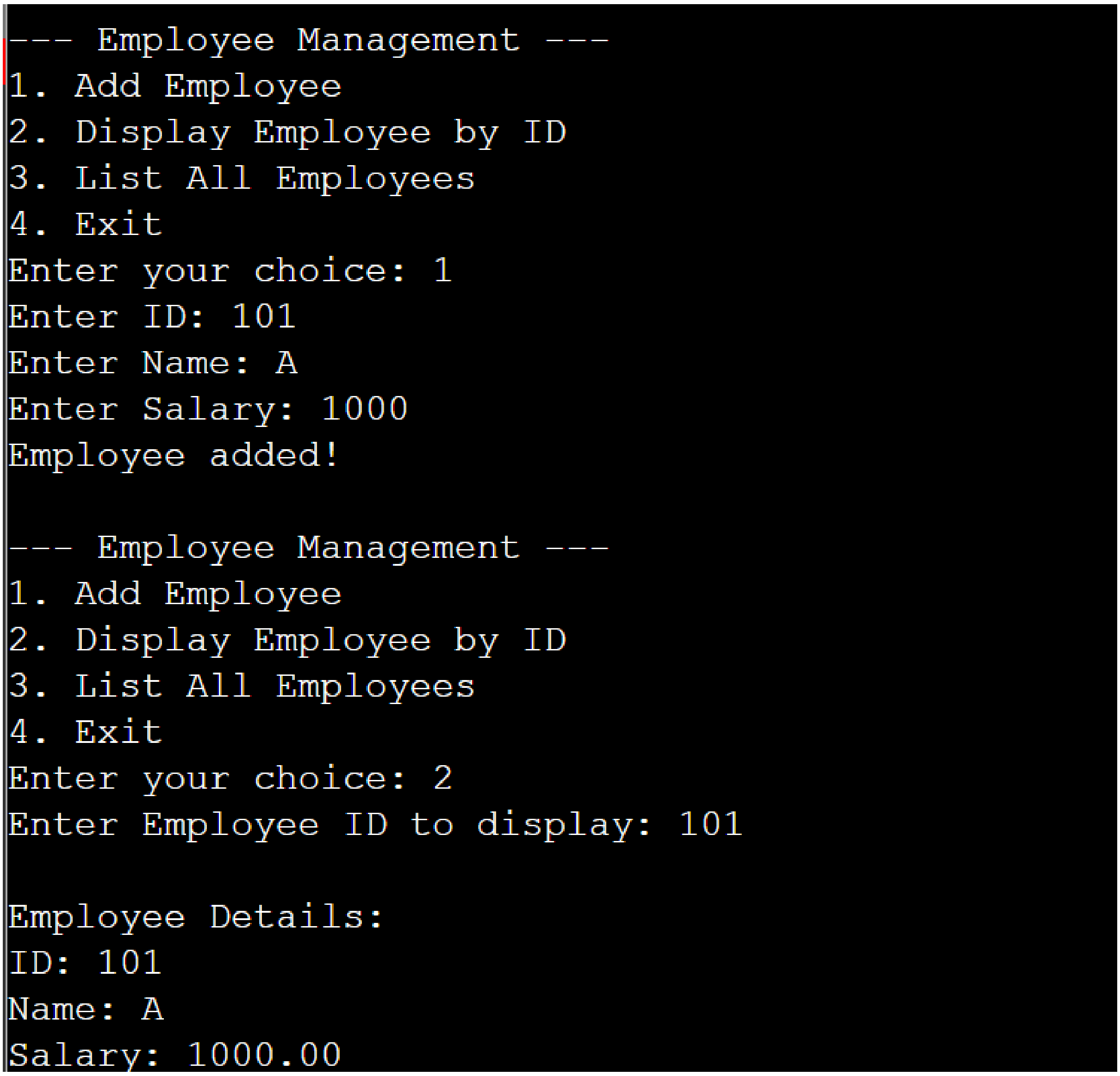
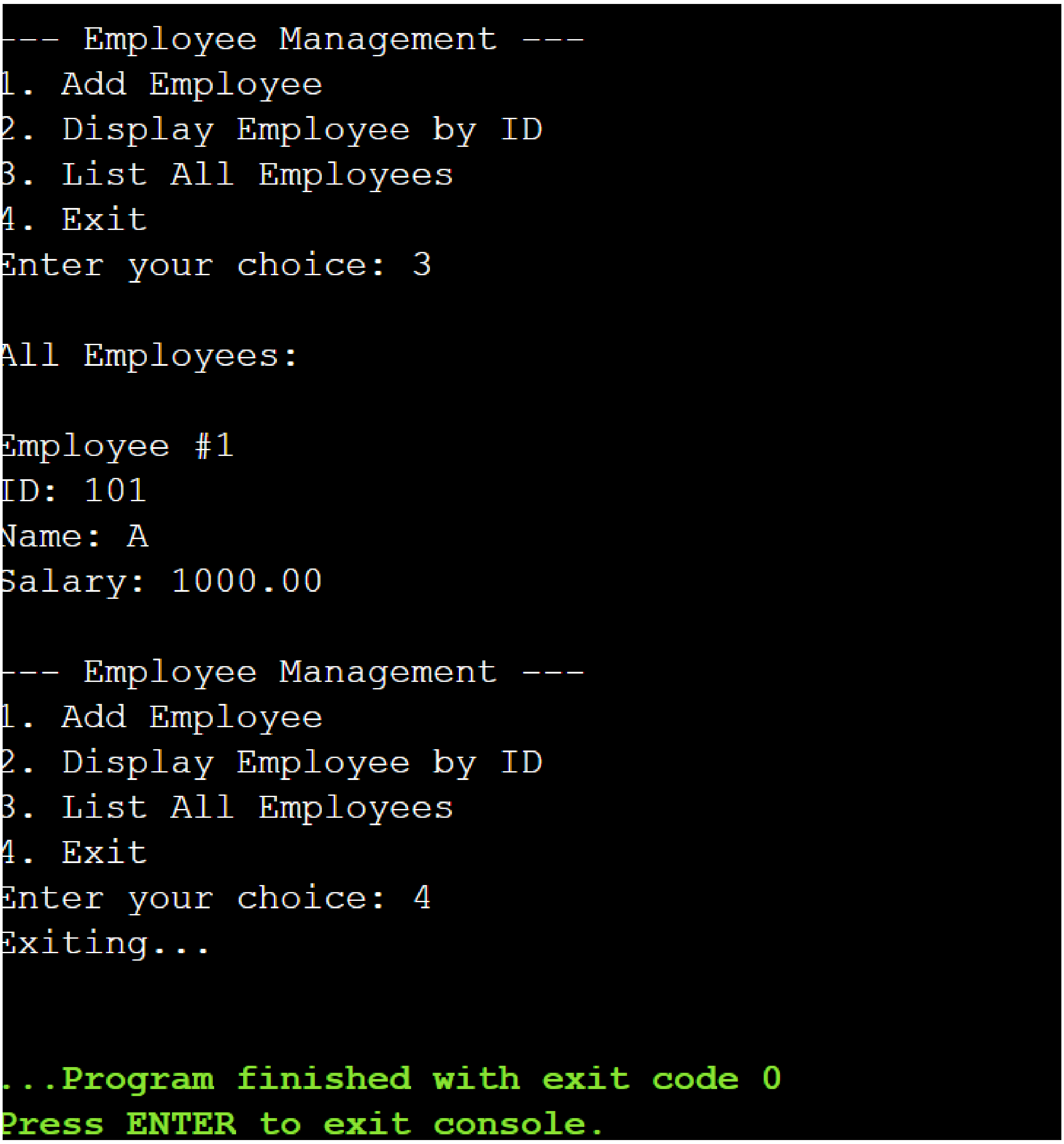
```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

struct Employee {
    int id;
    char name[30];
    float salary;
};

// Function to add an employee
void addEmployee(FILE *fp) {
    struct Employee emp;
    printf("Enter ID: ");
    scanf("%d", &emp.id);
    printf("Enter Name: ");
    scanf("%s", emp.name);
    printf("Enter Salary: ");
    scanf("%f", &emp.salary);

    fseek(fp, (emp.id - 1) * sizeof(struct Employee), SEEK_SET); // Move to correct record
    fwrite(&emp, sizeof(struct Employee), 1, fp); // Write employee to file
    printf("Employee added!\n");
}

// Function to display an employee by ID
void displayEmployee(FILE *fp) {
    int id;
    struct Employee emp;
    printf("Enter Employee ID to display: ");
    scanf("%d", &id);

    fseek(fp, (id - 1) * sizeof(struct Employee), SEEK_SET);
    fread(&emp, sizeof(struct Employee), 1, fp);

    if (emp.id != 0) {
        printf("\nEmployee Details:\n");
        printf("ID: %d\nName: %s\nSalary: %.2f\n", emp.id, emp.name, emp.salary);
    } else {
        printf("No employee found with ID %d\n", id);
    }
}

// Function to list all employees
void listAll(FILE *fp) {
    struct Employee emp;
    rewind(fp);  // Go to beginning of file

    printf("\nAll Employees:\n");
    int count = 1;
    while (fread(&emp, sizeof(struct Employee), 1, fp)) {
        if (emp.id != 0) {
            printf("\nEmployee #%d\n", count++);
            printf("ID: %d\nName: %s\nSalary: %.2f\n", emp.id, emp.name, emp.salary);
        }
    }
```

```
}

int main() {
    FILE *fp;
    fp = fopen("employee.dat", "rb+");

    // If file doesn't exist, create it
    if (fp == NULL) {
        fp = fopen("employee.dat", "wb+");
        if (fp == NULL) {
            printf("Error creating file.\n");
            return 1;
        }
    }

    int choice;
    while (1) {
        printf("\n--- Employee Management ---\n");
        printf("1. Add Employee\n");
        printf("2. Display Employee by ID\n");
        printf("3. List All Employees\n");
        printf("4. Exit\n");
        printf("Enter your choice: ");
        scanf("%d", &choice);

        switch (choice) {
            case 1: addEmployee(fp); break;
            case 2: displayEmployee(fp); break;
            case 3: listAll(fp); break;
            case 4:
                fclose(fp);
                printf("Exiting...\n");
                exit(0);
            default: printf("Invalid choice.\n");
        }
    }

    return 0;
}
```



```
--- Employee Management ---
1. Add Employee
2. Display Employee by ID
3. List All Employees
4. Exit
Enter your choice: 1
Enter ID: 101
Enter Name: A
Enter Salary: 1000
Employee added!

--- Employee Management ---
1. Add Employee
2. Display Employee by ID
3. List All Employees
4. Exit
Enter your choice: 2
Enter Employee ID to display: 101

Employee Details:
ID: 101
Name: A
Salary: 1000.00
```



```
--- Employee Management ---
1. Add Employee
2. Display Employee by ID
3. List All Employees
4. Exit
Enter your choice: 3

All Employees:

Employee #1
ID: 101
Name: A
Salary: 1000.00

--- Employee Management ---
1. Add Employee
2. Display Employee by ID
3. List All Employees
4. Exit
Enter your choice: 4
Exiting...


...Program finished with exit code 0
Press ENTER to exit console.
```